0.1.44.5.5	- P	140 A 8 D/DTO							Сотр	lete if Known	<u></u>
Substitute f		149 A & B/PTO					A	plicati	on Number	10/663,749	
OIPE	INFO	RMATIO	N DISC	CLOS	URE				tion Number	5604	
0116	STAT	RMATIO FEMENT	RV API	PLIC	ANT			ing Da		September 17, 2003	
	SI.	DIVIDIVI	DIAL	LIC	ANI				ned Inventor	TANABE, Tadashi	
nn o / 200	× (1)	se as many sl	heets as ne	00000	rv)			t Unit		1645	
PR 0 4 200	מיי עני מ	ie as many si			37		<u> </u>		Name	Not Yet Assigned	
<u> </u>	hest	1		of	1				Docket Number	Q77569	
>0	***			1	L					1 3	
SADEMAS					U.S.	PATE	NT DOC	JMEN	TS		
		Do	cument Nu			T	lication Date				
Examiner Initials*	Cite No. ¹	Num	ber		d Code ²		I-DD-YYYY		Name of Patentee	or Applicant of Cited Doc	ument
		<u> </u>		(if k	known)	 		 -		 	
		US		 -	-	 		 			
		US	<u> </u>	+		\vdash		- 			
		US		+		 		 			
		US		-				1			
		US									
		US									
		US				<u></u>	* *				
I		US		1							
		,		F	OREIC	<u>IN PA</u>	TENT D	<u>OCUM</u>	ENTS		
Examiner	Cite	Foreign Patent Document				Publicatio	olication Date Name o		f Patentee or		
Initials*	No. ^t	Country Number		oer ⁴	Kind Code ⁵ MM		MM-DD-	YYYY	Applicant o	f Cited Document	Translat
			<u> </u>								
				·							
		I									
				·							
					.]						<u> </u>
			-		1						
		<u> </u>									
				,	<u> </u>						
									<u></u>		
									CUMENTS		·
Examiner	Cite	Include nan	ne of the auth	or (in C	APITAL L	ETTER	S), title of the	article (w	hen appropriate), title of	the item (book, magazine, or country where published.	Translat
Initials*	No.1	BARETTE	B. WEKSI	ER: H	eparin a	nd Aci	dic Fihrohl	st Grow	th Factor Interact to	Decrease Prostacyclin	-
1/1/		Synthesis in	Human E	ndothel	ial Cells	by Af	fecting Botl	Prostag	glandin H Synthase	and Prostacyclin	
V(1)		Synthase; J.	Cell. Phys	iol., 14	2[3], p.5	514-522	2,1990				
		Gryglewski	RJ et al, "l	Prostac	yclin and	i Vascı	ular disease	' Philos	Trans R Soc Lond I	3. Biolo. Sci, vol. 294,	
		No. 1072, A	rugust 18,	1981 (p	ages 383	J-388, .	XP0010629	49 page	383.	sical and Dischariant	-
		Bovine Pros	tions B B	ynthase	: Purifi	Cation	and Isolatio	n or Par	TIAI CUNA, BIOCHER	nical and Biophysical	
		Communica	tions, B. P	orchia e	. a, pp.	1041-1	1070, UIU. I	,,,			1
· · -											1
				_	·· ··		~				
·····											
		7	Me							8/1105	
Examiner S									Date Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov. MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO	" Com	plete if Known
	Application Number	10/663,749
PE JOINFORMATION DISCLOSURE	Confirmation Number	5604
STATEMENT BY APPLICANT	Filing Date	September 17, 2003
UE 1 9 2003 (use as many sheets as necessary)	First Named Inventor	TANABE, Tadashi
IEL 1 9 2 2 (use as many sheets as necessary)	Art Unit	1645
(o) ot	Examiner Name	Not Yet Assigned
The manufacture of 2	Attorney Docket Number	Q77569

			U.S. I	PATENT DOCUME	ENTS
Examiner	Cite	Documen	t Number	Bublication Date	
Initials*	No.1	Number	Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US			
Ĩ		US			
		US			4.00

			F	OREIGN PA	TENT DOCUMEN	TS	
Examiner	Cite	Foreign Patent Document			Publication Date	Name of Patentee or	
Initials*	No.1	Country Code ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation ⁶
	· · · · · · · · · · · · · · · · · · ·			ļ			
				1			

		NON PATENT LITERATURE DOCUMENTS	~
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city, and/or country where published.	Translation ⁶
CH		Ngo et al. (1994) Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox. In: The Protein Folding Proble and Tertiary Structure Prediction, Eds. Merz et al., Birkhauser, Boston, MA pages 491-495.	
		Biomodal Distribution of the Prostaglandin I ₂ Synthase Antigen in Smooth Muscel Cells, W. Smith et al., The Journal of biological chemistry, pp. 5922-5926, dtd. 1983	
		Purification, Quantitation, and Localization of PGI ₂ Synthase Using Monoclonal Antibodies, W. Smith et al., pp. 87-92, dtd. 1983	
		Eight Gaddum Mensorial Lecture University of London Institute of Education December 1980, Biological Importance of Prostacyclin, S. Moncada, pp. 1-31, dtd. 1982	
		Agonist-Specific Desensitization of PGI ₂ -Stimulated Cyclic AMP Accumulation by PGE ₁ In Human Foreskin Fibroblasts, R. Gorman et al., pp. 3-17, dtd. 1980	
		Cytochrome P-450, Biochemistry, Biophysics and Environmental Implications, Proceedings of the 4 th International Conference on Cytochrome P-450 held in Kuopio, Finland, May 31-June 3, 1992, E. Hietanen et al., eds., pp. 103-106, dtd. 1982.	
		Purification of Prostacyclin Synthase from Bovine Aorta By Immunoaffinity Chromatography, D. DeWitt et al., The Journal of Biological Chemistry, pp. 3285-3293, dtd. 3/18	
		Molecular Characterization of the Prostacyclin Synthase, Advances in Prostaglandin, Thromboxane, and Leukotriene Research, M. Inoue, pp. 29-33, dtd. 1987	
		Bovine Prostacyclin Synthase: Purification and Isolation of Partial cDNA, Biochemical and Biophysical communications, B. Pereira et al., pp. 1041-1048, dtd. 1993	
		Structure-function relationships of membrane-bound heme-enzyme, cytochrome P450, Institute for Chemical Reaction Science, Tohoku University, T. Shimizu, pp. 10-15, dtd. 1992	
		Preparation and Assay of Prostacyclin Synthase, Methods in Enzymology, J. Salmon et al., pp. 91-99, dtd. 1982.	

	11.1.1		41.
Examiner Signature		Date Considered	8/11/35
		Date Considered	01.1.1
	· / ·		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

POLITICA SON FORM 1440 A & BIRTO		Сотр	olete if Known
Suppliting for Form 1449 A & B/PTO		Application Number	10/663,749
INFORMATION	DISCLOSURE	Confirmation Number	5604
TATEMENT B		Filing Date	September 17, 2003
1 9 DI AIEMENI B	IAPPLICANI	First Named Inventor	TANABE, Tadashi
(use as many shee	ts as necessary)	Art Unit	1645
(use as many shee		Examiner Name	Not Yet Assigned
Sheet 2	of 2	Attorney Docket Number	Q77569

			U.S. 1	PATENT DOCUME	ENTS
Examiner	Cite	Document	Number	Publication Date	
Initials*	No.1	Number	Kind Code ¹ (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US			
		US			
		US			

			F	OREIGN PA	TENT DOCUMEN	ITS	
Examiner	Cite	Foreign Patent Document			Publication Date	Name of Patentee or	
Initials*	No.1	Country Code ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation ⁶
			-				

		NON PATENT LITERATURE DOCUMENTS	·
Examiner Initials*	Cite No. ¹	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation
		Molecular Cloning of Prostacyclin Synthase From Bovine Endothelial Cells, Eicosandoids & Other BioActive Lipids in Cancer, Inflammation and Radiation Injury, T. Tanabe et al., pp 137, dtd. 1993	
		Tanabe et al., in "Advances in Prostaglandin, Thromboxany and Leukotriene Research, Vol. 23, 1995, pp. 133-135	
		Govindarajan, et al, The Patology, 7(4): 654-659, 1987	
		Keisse et al., Placenta, 7:37-42, 1986	· · · · · · · · · · · · · · · · · · ·
		Siegle et al., FEBS Letters, 347:221-225 (1994)	
		Dewitt et al., Methods in Enzymology, vol. 86:240-246, 1982	
		Moonen et al., Europ. 1. Obstet. Gynec Reprod. Biol. 19:151-158, 1985	i
		Harlow et al, Antibodies a Daboratory Manual, Cold Spring Harbor Laboratories, 1989, Chap. 8, pp. 283-318	
		Pereira B. et al., "Bovine Prostacyclin Synthase: Purification and Isolation of Partial CDNA" Biochemical and Biophysical Research Communications, Academic Press Inc. Orlando, FL US, vol. 197, No. 3, December 30, 1993; pages 1041-1048 XP000570379 ISSN: 0006-291X Abstract page 1047; Figure 4	
		Satoh K. et al. "Role of prostaglandins in pregnancy-induced hypertension: AM J. Kidney, vol. 17, No. 2, February 1991 (1191-02), pgs. 133-138, XP001062950 PAGE 133	
		Gryglewski RJ et al, "Prostacyclin and Vascular disease" Philos Trans R Soc Lond B. Biolo. Sci, vol. 294, No. 1072, August 18, 1981 (pages 383-388, XP001062949 page 383.	
		Supplementary European Search Report	

Examiner Signature Date Considered 8/11/05

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.